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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/024,444B

DATE: 01/16/2003
TIME: 13:09:24

Input Set : A:\21402-224AG.txt
Output Set: N:\CRF4\01162003\J024444B.raw

3 <110> APPLICANT: Padigaru, Muralidhara
4 Gerlach, Valerie L.
5 Smithson, Glennda
6 Stone, David
7 Bin-Yang, Ruey
8 Conley, Pamela B.
9 Hart, Matthew
10 Tomlinson, James E.
11 Topper, James N.
12 Kekuda, Ramesh
13 Casman, Stacie J.
14 MacDougall, John R.
15 Shlomit, Edinger R.
17 <120> TITLE OF INVENTION: Novel GPCR-Like Proteins and Nucleic Acids Encoding
18 Same
20 <130> FILE REFERENCE: 21402-224 AG
22 <140> CURRENT APPLICATION NUMBER: 10/024444B
C--> 23 <141> CURRENT FILING DATE: 2002-12-19
25 <150> PRIOR APPLICATION NUMBER: 60/256635
26 <151> PRIOR FILING DATE: 2000-12-18
28 <160> NUMBER OF SEQ ID NOS: 12
30 <170> SOFTWARE: PatentIn Ver. 2.1
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33 <211> LENGTH: 977
34 <212> TYPE: DNA
35 <213> ORGANISM: Human
37 <400> SEQUENCE: 1
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39 ggtggggatt ctgaatgaca gtgggtctcc tgaactgctc tatgtctacat ttacaatcct 120
40 atacatgttg gcactgacca gcaatggctc gctgctcctg gccatcacca tagaagcccg 180
41 gctccacatg cccatgtacc tcctgcttgg gcagctctct ctcatggacc tcctgttcac 240
42 atctgttggc actcccaagg ccttggcgga ctttcgtcgc agagaaaaaca ctatctcctt 300
43 tggaggctgt gcacttcaga tggccctggc actgacaatg gtagcgctg aggacccct 360
44 actggcccttc atggccatag acaggatgtt ggccatttgt catccctctga aatacatgac 420
45 cctcatgagc ccaagagtct gctggatcat ggtggccaca tcctggatcc tggcatccct 480
46 gatgtctata ggacatacca tgcacactat gcacccctt ttctgtgtgt cctggaaat 540
47 caggcatctg ctctgtgaga tcccaccctt gctgaagttt gcctgtgtcg atacccctcag 600
48 gtagatgtt ataataatacg tgacaggatgtt gacttccctc ttgtctccca tttctgccc 660
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51 tgccacatcc atgtatgtct tgcccgatcc cttccacagc cccaaacaag acaacatcat 840
52 ctctgttttc tacacaatttgc tcaactccagc cctgaatcca ctcatctaca gcctgaggaa 900
53 taaggaggatc atgcggccct tgaggagggt cctggaaaa tacatactgc tggcacattc 960

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Input Set : A:\21402-224AG.txt
Output Set: N:\CRF4\01162003\J024444B.raw

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 58 <211> LENGTH: 316
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Human
 62 <400> SEQUENCE: 2
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 64 1 5 10 15
 66 Ile Leu Asn Asp Ser Gly Ser Pro Glu Leu Leu Tyr Ala Thr Phe Thr
 67 20 25 30
 69 Ile Leu Tyr Met Leu Ala Leu Thr Ser Asn Gly Leu Leu Leu Ala
 70 35 40 45
 72 Ile Thr Ile Glu Ala Arg Leu His Met Pro Met Tyr Leu Leu Leu Gly
 73 50 55 60
 75 Gln Leu Ser Leu Met Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
 76 65 70 75 80
 78 Ala Leu Ala Asp Phe Leu Arg Arg Glu Asn Thr Ile Ser Phe Gly Gly
 79 85 90 95
 81 Cys Ala Leu Gln Met Phe Leu Ala Leu Thr Met Gly Ser Ala Glu Asp
 82 100 105 110
 84 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 85 115 120 125
 87 Pro Leu Lys Tyr Met Thr Leu Met Ser Pro Arg Val Cys Trp Ile Met
 88 130 135 140
 90 Val Ala Thr Ser Trp Ile Leu Ala Ser Leu Ile Ala Ile Gly His Thr
 91 145 150 155 160
 93 Met Tyr Thr Met His Leu Pro Phe Cys Val Ser Trp Glu Ile Arg His
 94 165 170 175
 96 Leu Leu Cys Glu Ile Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
 97 180 185 190
 99 Ser Arg Tyr Glu Leu Ile Ile Tyr Val Thr Gly Val Thr Phe Leu Leu
 100 195 200 205
 102 Leu Pro Ile Ser Ala Ile Val Ala Ser Tyr Thr Leu Val Leu Phe Thr
 103 210 215 220
 105 Val Leu Arg Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
 106 225 230 235 240
 108 Cys Ser Ser His Leu Ile Val Val Gly Met Phe Tyr Gly Ala Ala Thr
 109 245 250 255
 111 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
 112 260 265 270
 114 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
 115 275 280 285
 117 Ile Tyr Ser Leu Arg Asn Lys Glu Val Met Arg Ala Leu Arg Arg Val
 118 290 295 300
 120 Leu Gly Lys Tyr Ile Leu Leu Ala His Ser Thr Leu
 121 305 310 315
 124 <210> SEQ ID NO: 3
 125 <211> LENGTH: 316
 126 <212> TYPE: PRT

RAW SEQUENCE LISTING
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Input Set : A:\21402-224AG.txt
Output Set: N:\CRF4\01162003\J024444B.raw

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133 Ile Leu Asn Asp Ser Gly Ser Pro Glu Leu Leu Cys Ala Thr Ile Thr
134 20 25 30
136 Ile Leu Tyr Leu Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Ala
137 35 40 45
139 Ile Thr Met Glu Ala Arg Leu His Met Pro Met Tyr Leu Leu Leu Gly
140 50 55 60
142 Gln Leu Ser Leu Met Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
143 65 70 75 80
145 Ala Leu Ala Asp Phe Leu Arg Arg Glu Asn Thr Ile Ser Phe Gly Gly
146 85 90 95
148 Cys Ala Leu Gln Met Phe Leu Ala Leu Thr Met Gly Gly Ala Glu Asp
149 100 105 110
151 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
152 115 120 125
154 Pro Leu Thr Tyr Met Thr Leu Met Ser Ser Arg Ala Cys Trp Leu Met
155 130 135 140
157 Val Ala Thr Ser Trp Ile Leu Ala Ser Leu Ser Ala Leu Ile Tyr Thr
158 145 150 155 160
160 Val Tyr Thr Met His Tyr Pro Phe Cys Arg Ala Gln Glu Ile Arg His
161 165 170 175
163 Leu Leu Cys Glu Ile Pro His Leu Leu Lys Val Ala Cys Ala Asp Thr
164 180 185 190
166 Ser Arg Tyr Glu Leu Met Val Tyr Val Met Gly Val Thr Phe Leu Ile
167 195 200 205
169 Pro Ser Leu Ala Ala Ile Leu Ala Ser Tyr Thr Gln Ile Leu Leu Thr
170 210 215 220
172 Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
173 225 230 235 240
175 Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Ala Ala Thr
176 245 250 255
178 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Thr Arg Gln Asp Asn
179 260 265 270
181 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
182 275 280 285
184 Ile Tyr Ser Leu Arg Asn Lys Glu Val Met Arg Ala Leu Arg Arg Val
185 290 295 300
187 Leu Gly Lys Tyr Met Leu Pro Ala His Ser Thr Leu
188 305 310 315
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192 <211> LENGTH: 316
193 <212> TYPE: PRT
194 <213> ORGANISM: mouse
196 <400> SEQUENCE: 4
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RAW SEQUENCE LISTING

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Input Set : A:\21402-224AG.txt

Output Set: N:\CRF4\01162003\J024444B.raw

200 Ile Leu Asn Gly Ser Ser Ser Pro Glu Leu Leu Cys Ala Ile Val Thr
 201 20 25 30
 203 Ala Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Val
 204 35 40 45
 206 Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Arg
 207 50 55 60
 209 Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
 210 65 70 75 80
 212 Ala Val Met Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Gly Gly
 213 85 90 95
 215 Cys Ala Leu Gln Met Ala Leu Ala Leu Met Leu Gly Ser Ala Glu Asp
 216 100 105 110
 218 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 219 115 120 125
 221 Pro Leu Asn Tyr Met Val Phe Met Ser Pro Thr Val Cys Trp Leu Ile
 222 130 135 140
 224 Val Ser Thr Ser Trp Ile Leu Ala Ser Leu Thr Ala Val Gly His Thr
 225 145 150 155 160
 227 Val Tyr Thr Met His Phe Pro Phe Cys Met Ser Gln Glu Ile Arg His
 228 165 170 175
 230 Leu Leu Cys Glu Ile Leu Pro Leu Leu Lys Leu Ser Cys Val Asp Thr
 231 180 185 190
 233 Ser Gln Tyr Glu Leu Met Val Tyr Val Thr Gly Val Thr Phe Leu Leu
 234 195 200 205
 236 Leu Pro Leu Ser Ala Ile Val Thr Ser Tyr Thr Leu Ile Leu Ser Thr
 237 210 215 220
 239 Val Leu His Met Pro Ser Asn Glu Gly Lys Lys Lys Ala Leu Val Thr
 240 225 230 235 240
 242 Cys Leu Ser His Leu Met Val Val Gly Met Phe Tyr Gly Ala Ala Thr
 243 245 250 255
 245 Phe Met Tyr Val Leu Pro Ser Ser Leu His Ser Ala Lys Gln Asp Asn
 246 260 265 270
 248 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
 249 275 280 285
 251 Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Leu Arg Arg Val
 252 290 295 300
 254 Leu Gly Arg Tyr Ile Leu Pro Ala His Leu Thr Leu
 255 305 310 315
 258 <210> SEQ ID NO: 5
 259 <211> LENGTH: 316
 260 <212> TYPE: PRT
 261 <213> ORGANISM: mouse
 263 <400> SEQUENCE: 5
 264 Met Glu Pro Trp Asn Ser Thr Leu Glu Ser Gly Phe Ile Leu Val Gly
 265 1 5 10 15
 267 Ile Leu Asp Gly Ser Gly Ser Pro Glu Leu Leu Cys Ala Thr Val Thr
 268 20 25 30
 270 Thr Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Leu Val
 271 35 40 45

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Input Set : A:\21402-224AG.txt

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273 Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Arg
 274 50 55 60
 276 Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Asn
 277 65 70 75 80
 279 Thr Val Val Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Glu Gly
 280 85 90 95
 282 Cys Ala Leu Gln Leu Phe Ser Ala Met Thr Leu Gly Gly Ala Glu Asp
 283 100 105 110
 285 Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
 286 115 120 125
 288 Pro Leu Asn Tyr Met Ile Phe Met Ser Pro Lys Ala Cys Arg Leu Met
 289 130 135 140
 291 Val Ala Ile Ser Trp Ile Leu Ala Ser Leu Ser Ala Leu Gly His Thr
 292 145 150 155 160
 294 Val Tyr Thr Met His Phe Pro Phe Cys Met Ser Gln Glu Ile Arg His
 295 165 170 175
 297 Leu Leu Cys Glu Val Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
 298 180 185 190
 300 Ser Gln Tyr Glu Leu Met Val Tyr Val Thr Gly Val Ile Phe Leu Leu
 301 195 200 205
 303 Leu Pro Leu Ser Ala Ile Ile Thr Ser Tyr Ser Leu Ile Leu Phe Thr
 304 210 215 220
 306 Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
 307 225 230 235 240
 309 Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Gly Ala Thr
 310 245 250 255
 312 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
 313 260 265 270
 315 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
 316 275 280 285
 318 Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Val Arg Arg Val
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 321 Leu Gly Arg His Ile Leu Pro Ala His Ala Thr Val
 322 305 310 315
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 327 <212> TYPE: PRT
 328 <213> ORGANISM: mouse
 330 <400> SEQUENCE: 6
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 334 Ile Leu Asp Gly Ser Gly Ser Pro Glu Leu Leu Cys Ala Thr Val Thr
 335 20 25 30
 337 Thr Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Val
 338 35 40 45
 340 Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Arg
 341 50 55 60
 343 Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Asn
 344 65 70 75 80

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/16/2003
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Input Set : A:\21402-224AG.txt
Output Set: N:\CRF4\01162003\J024444B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16,17

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/024,444B

DATE: 01/16/2003

TIME: 13:09:25

Input Set : A:\21402-224AG.txt

Output Set: N:\CRF4\01162003\J024444B.raw

L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16